

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001513**Date Inspected:** 05-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 2AE, OBG 2BE, OBG 4BW**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 2AE & OBG 2BE

Abrasive blasted base metal floor beam and "T" stiffener faying surfaces were blasted and subsequent work rejected and no coating application permitted due to unfavorable ambient conditions within the fabrication bay. ZPMC cleaning spent abrasive. Caltrans QA Lumley observed ABF QA David Duon not allow ZPMC to apply Interzinc 22 based upon readings obtained by monitoring the ambient environmental conditions.

OBG 4 BW

Moved into the abrasive blast shop and performed required chloride testing. Joint three party inspection with Caltrans QA Lumley ABF QA representative and ZPMC QC representatives were all present as well as International Protective coatings technical service representative Zili Peng. All chloride levels were below 10us/cm on the blasted base metal surfaces exposed. Production abrasive blasting then commenced.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for

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your project.

Inspected By: Lumley,James

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer